NC/QC/YD-W-1/2018-19/VL-PCC1

Date: 13-02-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to main road, cross roads and providing kerb stones at Vinayaka Nagara 1st, 5th 3rd cross roads in Kempegowda ward no - 01 and Improvements to roads and drains at Lake view layout and surrounding areas in Kempegowda ward no - 01 (Package-03).}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Rajanna. N, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	68.50	0 -20	30- 70
10mm	27.90	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.50	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	87.30	60-95	75-100	85-100	
01.18	65.40	30-70	55-90	75-100	
600.mic	54.80	15-34	35-59	60-79	
300.mic	23.65	5-20	8-30	12-40	
150.mic	7.10	0-10	0-10	0-10	

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KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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NC/QC/YD-W-1/2018-19/VL-CB1 **Date: 27-02-2019**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to main road, cross roads and providing kerb stones at Vinayaka Nagara 1st, 5th 3rd cross roads in Kempegowda ward no - 01 and Improvements to roads and drains at Lake view layout and surrounding areas in Kempegowda ward no - 01 (Package-03).}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Rajanna. N, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-02-19	27-02-19	07	22500	370	16.44	**16.22**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

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NC/QC/YD-W-1/2018-19/VL-CB4A **Date: 25-03-2019**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to main road, cross roads and providing kerb stones at Vinayaka Nagara 1st, 5th 3rd cross roads in Kempegowda ward no - 01 and Improvements to roads and drains at Lake view layout and surrounding areas in Kempegowda ward no - 01 (Package-03).}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Rajanna. N, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-02-19	25-03-19	28	22500	505	22.44	**22.74**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	520	23.11	

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